

# CURRICULUM VITAE

## Expert for the tendering purposes

**TYPE OF EXPERTISE:**      **Education**

- (1)    **Family name:**            **LEEMING**
- (2)    **First names:**            **David Gunnar**
- (3)    **Date of birth:**            **19 November 1962**
- (4)    **Nationality:**            **British**
- (5)    **Education:**

<b>Institution (Date from - Date to)</b>	<b>Degree(s) or Diploma(s) obtained:</b>
Salford University, UK - 1981-1985	BSc (Hons) 1st Class, Electronics and Acoustics. 2 University prizes.

- (6)    **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

<b>Language</b>	<b>Reading</b>	<b>Speaking</b>	<b>Writing</b>
English	1	1	1
Solomon Islands Pidjin	1	1	2
Polynesian (Rennellese)	4	4	4

- (7)    **Membership of professional bodies:**  
Pacific Internet Society, Voted Board Member Oct 2009  
Member of Global Knowledge Partnership (through Rural Development Volunteers Association)
- (8)    **Other skills:** (e.g. Computer literacy, etc.):

International Development:

- ICT for Development – focus on rural development
- ICT in Education, eLearning and ICT for distance learning, SchoolNets
- Community Media, community radio and participatory content development
- ICT strategy and policy development
- Content, Open Educational Resources (OERs), collaborative resource development
- Sustainable rural communications and networking
- Community development
- Networked communities and building communities of practice
- I am a regional expert on the One Laptop Per Child (OLPC) programme
- E-government and e-governance
- Project management, including micro projects
- Research and research management (scientific, impacts of ICT, etc)
- Training and technology capacity building
- Remote area power supplies, solar electrification
- 13 years experience of community development in Pacific island communities
- 3 years secondary teaching experience in rural Pacific Islands schools (VSO)

## ICT skills

- ICT for sustainable rural networking and delivery of services to remote areas
- HF radio email systems
- VSAT (satellite broadband) networking
- Wi-Fi and other remote and wireless access technologies
- Community FM radio
- Worldspace digital satellite broadcast as tool for development
- Learning Management Systems (including Moodle, ATutor),
- Synchronous and asynchronous interactive platforms and tuition tools
- Content development / course authoring systems /
- Certified by Commonwealth of Learning as WikiEducator Trainer “WikiArtisan”
- Databases (MS Access, MySQL)
- Project management (MS project), General computing, computer modeling,
- Software development (programming)
- Network administration (monitoring, firewalls, content keepers, server applications)
- Website technologies (ASP, CMS, PHP, open source)
- Advanced Microsoft and Linux user
- FOSS, open source technologies (Linux, diverse applications)
- ISO 9001/TickIT software QA
- Active member of Pacific Internet Society
- Involvement in the World Summit on the Information Society Pacific consultations, 2002

## Other

- Health and Safety
- Quantified Risk Assessment
- Risk/Vulnerability Science
- Acoustics

## **(9) Present positions:**

(1) Consultant, Distance Learning Centres Project, Education Sector Investment and Reform Programme, Solomon Islands. (STABEX 99). Part time EDF (EU) external TA contract, 2009. Project site [www.schoolnet.net.sb](http://www.schoolnet.net.sb).

(2) Principal Consultant, Leeming International Consulting, Honiara, Solomon Islands.

Company website: [www.leeming-consulting.com](http://www.leeming-consulting.com)

## Current active projects/contracts:

- Community Media project in Isabel Province, Solomon Islands, coordinating project for Commonwealth of Learning as part of their Community Media programme. Website <http://isabel-youth.ning.com>
- Coordinating Pacific Islands partners in an international contract to install VSAT systems at ANZ banks in Solomon Islands, Samoa, Kiribati, Cook Islands and American Samoa. Contracting authority is WenSatMedia of Singapore.

## (10) Professional Experience

Date from - Date to	Location	Company & reference person <sup>1</sup>	Position	Description
Sep 09 – Feb 2010 (part time)	Solomon Islands	Commonwealth of Learning  Ian Pringle, Education Expert, Media <a href="mailto:ipringle@col.org">ipringle@col.org</a>	Project manager / consultant	This is a new phase of the Community Media project in Isabel Province (see below) but in collaboration with the Ministry of Health, the project will focus on health promotion through community radio. The project is building partnerships between the Ministry, local communities and other stakeholders to identify key health promotion messages and then assist networked content teams to create radio programmes using participatory methods. This project is part of COL's world-wide Community Media learning programme. As such, I was invited to COL headquarters in Vancouver, to participate in programme planning, along with team leaders from similar projects in Africa, India and Caribbean (Oct 2009). <a href="http://isabel-youth.ning.com">http://isabel-youth.ning.com</a>
Feb – Jun 2009	Solomon Islands	Commonwealth of Learning  Ian Pringle, Education Expert, Media <a href="mailto:ipringle@col.org">ipringle@col.org</a>	Project manager / consultant	This consultancy is building communities of practice for collaborative development of learning content for community media, under COL's Learning4Peace programme. The project is working with Isabel Province Government and women and youth networks, to build capacity for networking, collaboration and participatory radio programming. Under a related contract I wrote a chapter of a forthcoming book to be published by COL (see section 10, publications) <a href="http://isabel-youth.ning.com">http://isabel-youth.ning.com</a> <a href="http://www.wikieducator.org/Learning4Peace/Solomon_Islands">http://www.wikieducator.org/Learning4Peace/Solomon_Islands</a>
April 2009	Nauru	Nauru Ministry of Education  Michael Longhurst, Director of Education, Nauru <a href="mailto:director.education@naurugov.nr">director.education@naurugov.nr</a>	Consultant / trainer	Teacher training and technical assistance on Nauru's One Laptop Per Child Programme. This mission involved teacher and community training, curriculum integration and content development, and development of the strategy for the country programme.  <a href="http://wiki.laptop.org/go/OLPC_Nauru">http://wiki.laptop.org/go/OLPC_Nauru</a>
Jan 09	Solomon Islands	Linpico Ltd. EDF funded Solomon Islands Ministry of Education Peter Potter, Advisor Sector Coordination, <a href="mailto:coordinator@mehrd.gov.sb">coordinator@mehrd.gov.sb</a>	TA	Provide follow-up TA to the DLCP project of the EU and NZAid funded Education Sector Investment and Reform Programme (I was Project Manager of this project 2004-2007, see below for details). This part time contract focuses on developing the main streaming of DFL within the education sector, strategic planning, and technical areas such as training in the introduction of Moodle and expanded VSAT networking with community access, and an evaluation of the OLPC trials ongoing. <a href="http://www.schoolnet.net.sb">http://www.schoolnet.net.sb</a>
June -Dec 2008	Regional Pacific Based in Solomons	Secretariat of the Pacific Community Ian Thomson, RICS and OLPC Coordinator, SPC <a href="mailto:iant@spc.int">iant@spc.int</a>	Coordinator, One Laptop Per Child Regional Trials programme	Coordinate and implement strategies, and programmes of trials in all member countries for the One Laptop Per Child (OLPC) Oceania programme of SPC under the Pacific Digital Strategy. This involved liaison and coordination with Ministries of education, NGOs and other partners, in 8 countries initially participating in trials with others to follow. Implementing the initial trials in collaboration with all local and regional partners. I remain closely working with regional partners in the OLPC programme. <a href="http://wiki.laptop.org/go/OLPC_Oceania">http://wiki.laptop.org/go/OLPC_Oceania</a>
Jan 2008 – June 2008	Regional Solomons,	Commonwealth of Learning Ian Pringle,	Consultant / workshop	Facilitating "Learning4Content" workshops on collaborative content development for educators, in Commonwealth countries of the Pacific Islands. The workshops train teachers and educators in

<sup>1</sup> The Contracting Authority reserves the right to contact the reference persons. If you have any objection to this fact, kindly state so and provide a justification

(short inputs)	PNG, Nauru, Samoa	Education Expert, Media <a href="mailto:ipringle@col.org">ipringle@col.org</a>	facilitator	collaborative resource development using the WikiEducator. The Solomon Islands workshop was the first of up to 100 such workshops worldwide, pioneering the programme for COL. I have also written the L4C Facilitator's Guide under a separate contract. <a href="http://wikieducator.org/Learning4Content">http://wikieducator.org/Learning4Content</a>
Nov07 - Sept 08	Solomon Islands	Secretariat of the Pacific Community  Ian Thomson, RICS Coordinator, SPC <a href="mailto:iant@spc.int">iant@spc.int</a>	Consultant	(a) To establish a wireless educational network in Marovo Lagoon, Solomon Islands (b) To complete preparations for proposed regional trials of the "One Laptop Per Child" programme (c) To consult with communities in Marovo Lagoon in preparation for the planned pilots of SPC's Rural Internet Connectivity System (RICS). These inputs are related to the Pacific Forum's Digital Strategy, which aims to reach out to remote and rural communities. This work has been extended in 2008, with a further contract to implement wireless networking in central Marovo Lagoon and establish community-level partnerships focused on education and community access. The community access project is named the Marovo Learning Network. <a href="http://www.peoplefirst.net.sb/DLCP/Marovo.htm">http://www.peoplefirst.net.sb/DLCP/Marovo.htm</a>
Nov/ Dec 07	Solomon Islands	UNDP  Christine Carlson, DRR, Solomon Islands Office <a href="mailto:christina.carlson@undp.org">christina.carlson@undp.org</a>	Consultant 10 day part time	Consulting and advice to Isabel Province Development Programme, Solomon Islands. Identification and recommendations on programming linkages for the Isabel Province e-Government and e-Governance system. Technical advice provided on the interconnection of rural networks, including People First Network (PFNet) email stations, community FM radio stations, distance learning centre and HF radio networks. Identification of e-government linkages by sector and e-governance linkages related to the Province's planning cycle, to enable increased participation and engagement of citizenry in the planning and development process. Output: report (available on request with permission of Honiara sub-office). Followed up by the Isabel Youth Networking project for COL (see above)
Dec 2004 – Dec 2007	Solomon Islands	EU long term international TA, Ministry of Education, Solomon Islands  Peter Potter, Advisor Sector Coordination, Ministry of Education, Solomon Islands <a href="mailto:coordinator@mehrd.gov.sb">coordinator@mehrd.gov.sb</a>	Project Manager 3-years full time	This was a long-term EDF Technical Advisor position. As Manager of the Distance Learning Centres Project (DLCP). I managed a team of 11 project staff and 6 staff of the People First Network (PFnet), with a total budget of SBD 11 million (EUR 1.1m) over 3 years. The DLCP is an EU-funded component of the Education Sector Investment and Reform Programme (ESIRP). The project has established a pioneering network of distance learning centres hosted by rural community high schools in each province and equipped with broadband Internet through a newly established VSAT network. The centres are run as multipurpose community telecentres, building on PFnet's sustainable rural networking experience, and are expected to have wide impacts in rural development. The project also worked closely with the Ministry to focus on the role that distance and flexible learning (DFL) can play across the full spectrum from literacy, vocational, continuing to academic education and training. The DLCP works with the divisions of the MEHRD to identify and pilot ways in which DFL and ICT can be leveraged to improve both the delivery and the quality of education. I have advised also on vital issues of sustainability and policy development, working with a specially-created Technical Working Group on distance and flexible learning. As Project Manager, worked with a small group of regional experts to develop proposals for a regional Trial of OLPC for Oceania, specifically linked to the DLCP. This brought OLPC to the region. The DLCP was presented on at several International conferences, and is heralded as a best practice case study for the region. As such, I was invited to present results and recommendations following from the DLCP to the Pacific Forum Education Minister's Meeting, held in Auckland in Nov 2007. The post required of me strong leadership and competence in project management, budgeting, reporting, technical leadership and advice, human resource development and training, community development and to work at all levels from the grassroots to senior government.

				<a href="http://www.schoolnet.net.sb">http://www.schoolnet.net.sb</a>
Oct 2000 – current	Solomon Islands	Long term, 2000-04 variously funded 2004-present voluntary  Alan Agassi, Deputy Chairman, RDVA  <a href="mailto:higascoordinator@gmail.com">higascoordinator@gmail.com</a>	Technical Advisor to the People First Network (PFnet)	<p>PFnet is now an internationally-recognized best practice ICT4D project. It was established under the UNDP's Solomon Islands Development Administration and Participatory Planning Programme (SIDAPP) in Solomon Islands in 2001. I have been Technical Advisor from the beginning, when the PFnet concept was formulated in Nov 2000, initially employed under a UNDP SSA contract. When SIDAPP closed in Nov 2001, I took the project forward under the Rural Development Volunteers Association (RDVA), mobilizing donor funding and working with rural communities, developing linkages and building partnerships to secure a sustainable basis for PFnet. In my time as PFnet Technical Advisor the project has been nominated as a finalist in several international ICT4D competitions including the Stockholm Challenge, UNSECO Rural Communications Prize and the InfoDev ICT4D Stories Competition. I remain associated with PFNet on a voluntary basis, advising on strategy and providing technical advice and advocacy.</p> <p>The People First Network, or PFnet, is a rural connectivity project, which aims to promote and facilitate equitable and sustainable rural development and peace building by enabling better information sharing and knowledge building among and across communities forming the Solomon Islands. The project has established an email system (now with over 30 stations nationally) based on a robust, proven and sustainable technology that permits remote locations on islands across thousands of square kilometres to have access to Internet emails using a simple computer, short-wave radio, and solar power, PFnet is now working with partners to develop applications of the network in many sectors. PFnet is based on community ownership. Important applications that have served rural people using PFnet include distance learning, rural banking and finance, improved participation in public debate linked to peace building and reconciliation, commerce and farmer's information. It has also been linked to rural livelihoods activities such as seaweed farming, and is now recognized as an important network to be used for disaster preparedness and response.</p> <p>In my role as Technical Advisor, I have also advised on integrated rural communication strategies, and have contributed to the literature through research and participation in regional forums. For instance, in 2003 with technical assistance from UNDP, PFnet hosted a workshop on national ICT strategy building that has improved awareness, professional networks and coordination of ICT in development in the country.</p> <p>Between 2000 and 2004 my post was variously funded through UNDP (under a 6 month SSA contract, Aug 02-Feb03) and governments of UK, Japan and R.O.C. and NZAid via their local missions. <a href="http://www.peoplefirst.net.sb">http://www.peoplefirst.net.sb</a></p>
March 2006	Australia	Curriculum Corporation International, Melbourne	Consultant	Wrote the technical proposal for a bid for the AusAid ICT Capacity Development Project for Solomon Islands
Nov. 2004	PNG	UNDP short term international TA	Consultant	Co-facilitator, National ICT Strategy Building Workshop, UNDP PNG Office - see list of publications
Oct 2004	Solomon Islands	Machinery of Government Project / Ausaid	Consultant	Short term advice on the establishment of a Solomon Islands Government website, including an analysis of wider eGovernment implications.

July 2004	PNG	Improvement of Rural Primary Education Facilities Project (EDF funded)	Consultant	Short term advice on ICT for the delivery of education to remote rural primary schools in PNG (Company – Geomar International)
Jul 99 - Oct 00	Solomon Islands	UNDP / UNIDO project (SSA)	Webmaster / ICT officer	Established and localized a website <a href="http://www.commerce.gov.sb">www.commerce.gov.sb</a> and online business information service to support SME development in rural areas for the Solomon Islands Ministry of Commerce.
Feb 96 – Dec98	Solomon Islands	VSO	Volunteer	VSO maths/science teacher in 2 rural secondary schools. Installed solar power supplies in 2 rural schools.
Jan90 - Feb96	UK	Health and Safety Executive	Senior Scientific Officer	Research scientist, HSE's Research Laboratory. Quantified Risk assessment applied to the transport of dangerous goods. Advised the HSE Major Hazard Assessment Unit and developed computer tools for the assessment of hazards, which are used in public enquiries and strategic planning with regard to health and safety.
Aug88 -Jan90	UK	Building design Partnership, Manchester	Acoustics consultant	Assistance to the acoustics group. Various noise surveys, computer modelling of noise from Channel Tunnel, etc.
Oct 87 - Aug88	UK	University of Sheffield	Research Assistant	Post-graduate research, computer modeling of auditorium acoustics
Jun86 -Oct 87	UK	Enviro-systems Ltd. Lancaster	Electronics engineer	Diagnostics and repair of electronics.
Sep83 -Jun 84	Norway	Christian Michelson Institute, Bergen	Undergrad research assistant	University “year out” industrial experience.

## **(11) Any other relevant information**

### **Publications / International conferences**

#### ICT for Development

1. *Using technology enhanced learning solutions to build bridges across the Digital Divide towards 'empowerment' in Australia and the Asia-Pacific region*, M. Hastie, NS.Chen, D Leeming, TELearn2009 Conference, Academia Sinica ,Taipei, Taiwan from October 6-8, 2009
2. *Youth Collaborating for Peace with Community Media in Solomon Islands*, Leeming D.G., Chapter, *Learning to Live Together* (book), Eds. T. Munro, R. Baksh, Pub: Commonwealth of Learning, June 2009
3. *Challenges and Impacts of One Laptop Per Child*, Leeming D., Thomson I., Forster T. Launched at the Pacific Forum Education Minister's Meeting in Tonga, March 2009, as part of the University of the South Pacific's PRIDE series of publications.
4. Guest Speaker, ICT Policy Workshop, University of Papua New Guinea, Feb 23<sup>rd</sup> 2008
5. *The Islands of Wisdom (and Learning), The role of Distance and Flexible Learning in the Solomon islands education system*, Leeming, D., Paper presented to the Pacific Forum Education Minister's Meeting, Auckland, New Zealand, 28<sup>th</sup> Nov 2007. Available with PowerPoint presentation from the author on request – or via the Pacific Islands Forum Secretariat.
6. *The Solomon Islands Distance Learning Centre Project, 3 presentations on implementation, experience and community response, and mainstreaming and exit strategy*, Pacific Internet Society PacINET 2007 conference, Honiara, Solomon Islands, 15-22 Aug 2007 (powerpoints can be downloaded from [www.peoplefirst.net.sb/DLCP](http://www.peoplefirst.net.sb/DLCP))
7. *The One Laptop Per Child (OLPC) Oceania Initiative*, Panel presentation chaired by Dr Jimmie Rodgers, DG, Secretariat of the Pacific Community, at the PacINET 2007 conference, Honiara, Au 2007
8. *OLPC Oceania's Participatory Development Plan*, article on OLPC News website [http://www.olpcnews.com/implementation/plan/olpc\\_participatory\\_development.html](http://www.olpcnews.com/implementation/plan/olpc_participatory_development.html)
9. *Using ICT to deliver education services to remote areas*, Presentation made to the "Delivering Education Services to Remote Areas" forum, Divine Word University, Madang, Papua New Guinea, Aug 17-18, 2006
10. *Teacher Training via Distance Learning Telecentres in Solomon Islands* Presentation, eLearning Africa Conference, Addis Ababa, Ethiopia, May 25-26 2006
11. Leeming D, Pitia P; *The Distance Learning Centres Project: A Solomon Islands SchoolNet*, Pacific Internet Society, Tarawa, Kiribati, Aug 2005, the Continuing Education Conference, University of the South Pacific, Suva, Aug 2005 and the AADES International Conference, Sydney, Sep 2005. Downloadable from [www.peoplefirst.net.sb/DLCP/Documents.htm](http://www.peoplefirst.net.sb/DLCP/Documents.htm)
12. Chand, A; Leeming. D et al.; *The Impact of ICT on Rural Development in Solomon Islands: The PFnet Case*; JICA/USP research program, ISBN 982-01-0629-X, 2005 [http://www.usp.ac.fj/jica/ict\\_research/pfnet\\_case\\_study/pfnet\\_intro.html](http://www.usp.ac.fj/jica/ict_research/pfnet_case_study/pfnet_intro.html)
13. Contribution to book: *Exploring New Modalities; Experiences with ICT Interventions in the Asia-Pacific Region, Chapter 14: A Distance Learning Application of the Solomon Islands People First Network (PFnet)* by UNDP Asia Pacific Development Information Programme (APDIP), UNDP-APDIP ICT4D Series 2006, Elsevier, ISBN 81-312-0630-0.
14. Stork, E; Leeming, D.; Biliki, R. (2003) *Solomon Islands ICT Strategy Workshop Report*, the Electronic Journal on Information Systems in Developing Countries. <http://www.ejisd.org/ojs2/index.php/ejisd/issue/view/72>
15. Stork, E; Leeming, D.(2004) *Papua New Guinea National ICT Workshop Report*, [http://www.undp.org.pg/documents/PNG\\_National\\_ICT\\_Workshop\\_Report\\_2.12.2004\\_final.pdf](http://www.undp.org.pg/documents/PNG_National_ICT_Workshop_Report_2.12.2004_final.pdf)

16. *Education through wireless networking in Solomon Islands*, Leeming, D.G., Presentation to the Pacific Forum Education Minister's Meeting, Apia, Samoa, January 2004  
[http://www.usp.ac.fj/fileadmin/files/Institutes/pride/Resource\\_centre/Forum/forum4/08\\_PFN\\_Case\\_study.pdf](http://www.usp.ac.fj/fileadmin/files/Institutes/pride/Resource_centre/Forum/forum4/08_PFN_Case_study.pdf)
17. Leeming D., (2003) *Education through Wireless Networking in Solomon Islands*, Asia Media Information and Communications Centre AMIC, 12th Annual Meeting, Singapore, Nov 2003 (Download at [www.peoplefirst.net.sb/downloads/amic.zip](http://www.peoplefirst.net.sb/downloads/amic.zip))
18. Leeming D., (2003), *Challenges for Sustainable Rural Networking in Solomon Islands*, ICTP Round Table on Science for Developing Countries, Oct 2003 <http://www.peoplefirst.net.sb/downloads/ICTP-PFnet-Oct03.zip>  
 Published in "Rural Transformation, Socio-Economic Issues", ed. Bhargava H., Kumar D.; ICFAI University Press, Hyderabad, India, 2006. ISBN 81-314-0090-5
19. Presentation on the People First Network to the AGM of the Global Knowledge Partnership, Rome, May 2003 (and membership ceremony for RDVA)
20. Leeming D., (2003) *Input Paper for the Solomon Islands People First Network*, World Summit on the Information Society, Tokyo Regional Meeting, Jan 2003.  
[http://www.wsis-japan.jp/documents/ngo\\_10.pdf](http://www.wsis-japan.jp/documents/ngo_10.pdf)
21. People First Network web pages [www.peoplefirst.net.sb](http://www.peoplefirst.net.sb)
22. Distance Learning Centres Project / Solomon Islands SchooNet pages [www.schoolnet.net.sb](http://www.schoolnet.net.sb)

#### Quantified Risk Assessment (Major Industrial Hazards)

- 1) *Analysis of Risk Model Estimates for the Transport of Dangerous Goods*, FF Saccomanno, DG Leeming, A Stewart, Proceedings of the International Consensus Conference on the transport of Dangerous Goods, Toronto, Canada, April 1992. Published by the University of Waterloo Press, Ontario, Canada
- 2) *Use of QRA to compare the risks of transporting chlorine by road and rail*, DG Leeming and FF Saccomanno, 1993 Hazmat Transportation Conference, Albuquerque, New Mexico, USA, July 1993
- 3) *Effect of Transport Mode on the Risks from Handling Chlorine at a Major Industrial Facility in the UK*, DG Leeming and FF Saccomanno, Emergency Response ER93 International Conference on the Practical Approach to Hazardous Materials, St.Johns, New Brunswick, Canada, Sept 1993
- 4) *Risk Assessment in the Process Industries*, Contribution to book published by IchemE 1996, ISBN 0852953232
- 5) *Effect of Road and Traffic Characteristics on Accidents Involving Heavy Goods Vehicles*  
 L Liu, D Leeming and J Wilday, Proceedings of the Truck Safety Conference, Toronto, 1996